

### **ABSTRACT OF THE DISCLOSURE**

The present invention provides a human glutathione s-transferase (HGST) and polynucleotides which identify and encode HGST. The invention also provides genetically engineered expression vectors and host cells comprising the nucleic acid sequences encoding  
5 HGST and a method for producing HGST. The invention also provides for agonists, antibodies, or antagonists specifically binding HGST, and their use, in the prevention and treatment of cancer and other diseases associated with the expression of HGST. Additionally, the invention provides for the use of antisense molecules to polynucleotides encoding HGST  
10 for the treatment of cancer and other diseases associated with the expression of HGST. The invention also provides diagnostic assays which utilize the polynucleotide, or fragments or the complement thereof, and antibodies specifically binding HGST.